



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 9

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San Francisco, CA 94105-3901

SFUND RECORDS CTR

109789

August 18, 2000

Dr. David Ting
Office of Environmental Health Hazard Assessment
1515 Clay Street, 16th Floor
Oakland, CA 94612

Dear David,

Please find enclosed a copy of James H. King's thesis, "Effects of ammonium perchlorate on the thyroid hormone levels of the Sprague-Dawley rat". The quality of the copy is not the best, so please let me know if anything is illegible.

One factor to bear in mind is that doses and concentrations are expressed as ammonium perchlorate in this thesis. The perchlorate anion is 85% of the ammonium perchlorate molecule, and 72% of the potassium perchlorate molecule. EPA's 1998 draft toxicity assessment explicitly considered the perchlorate anion. Analytical procedures for perchlorate in water measure the anion rather than the entire molecule.

I am also enclosing a very recent article from the Journal of the Science of Food and Agriculture regarding perchlorate analyses of a number of bottled water samples.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kevin".

Kevin Mayer, SFD-7-2
Superfund Site Cleanup Branch

ENCLOSURES